

Title (en)
A hydraulic valve arrangement

Title (de)
Hydraulikventilanordnung

Title (fr)
Assemblage de soupape hydraulique

Publication
EP 2811172 A1 20141210 (EN)

Application
EP 13170452 A 20130604

Priority
EP 13170452 A 20130604

Abstract (en)
A hydraulic valve arrangement (1) is provided comprising comprising a supply port arrangement having a high pressure port (2) and a low pressure port (4), a working port arrangement having two working ports (6, 7), a first valve (13) arranged between said high pressure port (2) and said working port arrangement (6, 7), a second valve (14) arranged between said low pressure port (4) and said working port arrangement (6, 7), a controller (19) for controlling said first valve (13) and said second valve (14), said controller (19) having an input connection (20) for receiving a signal of an operator input device, and a regenerative flow path which can be established by means of at least one of said first valve (13) and said second valve (14). The function of such a hydraulic valve arrangement should be enhanced. To this end said controller (19) said controller interrupts said regenerative flow path when a feed pressure at said working port arrangement (6, 7) exceeds a predetermined pressure level.

IPC 8 full level
F15B 11/024 (2006.01)

CPC (source: EP US)
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Citation (applicant)
US 7243591 B2 20070717 - DIXEN CARL CHRISTIAN [DK], et al

Citation (search report)
• [XD] US 7243591 B2 20070717 - DIXEN CARL CHRISTIAN [DK], et al
• [A] US 2005072954 A1 20050407 - NIELSEN BRIAN [DK]
• [A] DE 102009008367 A1 20100812 - CONTINENTAL AUTOMOTIVE GMBH [DE]
• [A] DE 102007029358 A1 20090102 - BOSCH GMBH ROBERT [DE]

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (publication)
EP 2811172 A1 20141210; **EP 2811172 B1 20190227**; CN 105247224 A 20160113; CN 105247224 B 20180116; US 2016061225 A1 20160303; US 9835179 B2 20171205; WO 2014195042 A1 20141211

DOCDB simple family (application)
EP 13170452 A 20130604; CN 201480030225 A 20140331; EP 2014056476 W 20140331; US 201414785887 A 20140331